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| FORM PTO-390 (Modified) U.S. PATENT AND TRADEMARK OFFICE; U.S. DEPARTMENT OF COMMERCE<br>(REV. 2-2005)*  |   | ATTORNEY'S DOCKET NUMBER<br><b>PU4962USw</b>   |
| <b>TRANSMITTAL LETTER TO THE UNITED STATES<br/>         DESIGNATED/ELECTED OFFICE (DO/EO/US)<br/>         CONCERNING A SUBMISSION UNDER 35 U.S.C. 371</b>  |   | U.S. APPLICATION NO. (If known, see 37 CFR 1.5)<br><div style="font-size: 1.5em; font-weight: bold; text-align: center;">10/538144</div> |
| INTERNATIONAL APPLICATION NO.<br><b>PCT/US2003/039644</b>  | INTERNATIONAL FILING DATE<br><b>December 12, 2003</b> | PRIORITY DATE CLAIMED<br><b>December 13, 2002</b>  |
| TITLE OF INVENTION<br><b>CCR5 Antagonists as Therapeutic Agents</b>  |   |  |
| APPLICANT(S) FOR DO/EO/US<br><b>W. M. KAZMIERSKI, C. J. AQUINO, Ne.BIFULCO, E.E.BOROS, B. A. CHAUDER, P. Y. CHONG, M. DUAN, F. DEANDA, Jr., C. S. KOBLE, E. W. MCLEAN, J. P. PECKHAM, A. C. PERKINS, J. B. THOMPSON, D. VANDERWALL</b>   |   |  |
| Applicant herewith submits to the United States Designated/Elected Office (DO/EO/US) the following items and other information:  |   |  |
| <ol style="list-style-type: none"> <li>1. <input checked="" type="checkbox"/> This is a <b>FIRST</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>2. <input type="checkbox"/> This is a <b>SECOND</b> or <b>SUBSEQUENT</b> submission of items concerning a submission under 35 U.S.C. 371.</li> <li>3. <input checked="" type="checkbox"/> This is an express request to begin national examination procedures (35 U.S.C. 371(f)). The submission must include items (5), (6), (9) and (24) indicated below.</li> <li>4. <input checked="" type="checkbox"/> The US has been elected (Article 31).</li> <li>5. <input checked="" type="checkbox"/> A copy of the International Application as filed (35 U.S.C. 371 (c)(2))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input checked="" type="checkbox"/> has been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> is not required, as the application was filed in the United States Receiving Office (RO/US).</li> </ol> </li> <li>6. <input type="checkbox"/> An English language translation of the International Application as filed (35 U.S.C. 371(c)(2)).           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> is attached hereto.</li> <li>b. <input type="checkbox"/> has been previously submitted under 35 U.S.C. 154(d)(4).</li> </ol> </li> <li>7. <input checked="" type="checkbox"/> Amendments to the claims of the International Application under PCT Article 19 (35 U.S.C. 371 (c)(3))           <ol style="list-style-type: none"> <li>a. <input type="checkbox"/> are attached hereto (required only if not communicated by the International Bureau).</li> <li>b. <input type="checkbox"/> have been communicated by the International Bureau.</li> <li>c. <input type="checkbox"/> have not been made; however, the time limit for making such amendments has NOT expired.</li> <li>d. <input checked="" type="checkbox"/> have not been made and will not be made.</li> </ol> </li> <li>8. <input type="checkbox"/> An English language translation of the amendments to the claims under PCT Article 19 (35 U.S.C. 371(c)(3)).</li> <li>9. <input checked="" type="checkbox"/> An oath or declaration of the inventor(s) (35 U.S.C. 371 (c)(4)).</li> <li>10. <input type="checkbox"/> An English language translation of the annexes to the International Preliminary Examination Report under PCT Article 36 (35 U.S.C. 371 (c)(5)).</li> <li>11. <input checked="" type="checkbox"/> A copy of the International Preliminary Examination Report (PCT/IPEA/409).</li> <li>12. <input checked="" type="checkbox"/> A copy of the International Search Report (PCT/ISA/210).</li> </ol> <p>Items 13 to 23 below concern document(s) or information included:</p> <ol style="list-style-type: none"> <li>13. <input checked="" type="checkbox"/> An Information Disclosure Statement under 37 CFR 1.97 and 1.98.</li> <li>14. <input type="checkbox"/> An assignment document for recording. A separate cover sheet in compliance with 37 CFR 3.28 and 3.31 is included.</li> <li>15. <input checked="" type="checkbox"/> A <b>FIRST</b> preliminary amendment.</li> <li>16. <input type="checkbox"/> A <b>SECOND</b> or <b>SUBSEQUENT</b> preliminary amendment.</li> <li>17. <input type="checkbox"/> A substitute specification.</li> <li>18. <input type="checkbox"/> A power of attorney and/or change of address letter.</li> <li>19. <input type="checkbox"/> A computer-readable form of the sequence listing in accordance with PCT Rule 13ter.2 and 37 CFR 1.821 - 1.825.</li> <li>20. <input type="checkbox"/> A second copy of the published International Application under 35 U.S.C. 154(d)(4).</li> <li>21. <input type="checkbox"/> A second copy of the English language translation of the International Application under 35 U.S.C. 154(d)(4).</li> <li>22. <input checked="" type="checkbox"/> Express Mail Label No. <b>EV332065690US</b></li> <li>23. <input checked="" type="checkbox"/> Other items or information:<br/> <div style="margin-left: 20px;">Copy of PCT publication coverage; Copy of PCT Request</div> </li> </ol> |   |  |

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| U.S. APPLICATION NO (if known, see 37 CFR 1.5)<br><b>10/538144</b>   |              | INTERNATIONAL APPLICATION NO.<br><b>PCT/US2003/039644</b>              |            | ATTORNEY'S DOCKET NUMBER<br><b>PU4962USw</b>  |                |
| The following fees are submitted:  |              |  |            | <b>CALCULATIONS</b>   | <b>PTO USE</b> |
| 24. <input checked="" type="checkbox"/> Basic national fee .....   |              | <b>\$300</b>   |            | \$ <b>\$300.00</b>  |                |
| 25. <input checked="" type="checkbox"/> Examination fee<br>If international preliminary examination report prepared by USPTO and all claims satisfy provisions of PCT Article 33(1)-(4). ....  |              | <b>\$100</b>   |            | \$ <b>\$200.00</b>  |                |
| All other situations. ....   |              | <b>\$200</b>   |            |   |                |
| 26. <input checked="" type="checkbox"/> Search fee .....   |              | <b>\$100</b>   |            |   |                |
| Search fee (37 CFR 1.445(a)(2)) has been paid on the international application to the USPTO as an International Searching Authority .....  |              | <b>\$400</b>   |            |   |                |
| International Search Report prepared and provided to the Office .....  |              | <b>\$500</b>   |            | \$ <b>\$400.00</b>  |                |
| All other situations. ....   |              | <b>\$500</b>   |            |   |                |
| <b>TOTAL OF 24, 25 and 26 =</b>  |              |  |            | \$ <b>\$900.00</b>  |                |
| <input type="checkbox"/> Additional fee for specification and drawings filed in paper over 100 sheets (excluding sequence listing or computer program listing filed in an electronic medium). The fee is \$250 for each additional 50 sheets of paper or fraction thereof.   |              |  |            |   |                |
| Total Sheets   | Extra Sheets | Number of each additional 50 or fraction thereof (round up to a whole) | RATE       |   |                |
| 858 - 100 =  | 758 /50 =    | 16   | x \$250.00 | \$ <b>\$4,000.00</b>  |                |
| Surcharge of \$130.00 for furnishing the oath or declaration later than months from the earliest claimed priority date (37 CFR 1.492(e)).  |              |  |            | \$  |                |
| CLAIMS   | NUMBER FILED | NUMBER EXTRA   | RATE       |   |                |
| Total claims   | 54 - 20 =    | 34   | x \$50.00  | \$ <b>\$1,700.00</b>  |                |
| Independent claims   | 1 - 3 =      | 0  | x \$200.00 | \$ <b>\$0.00</b>  |                |
| MULTIPLE DEPENDENT CLAIMS (if applicable) <input type="checkbox"/> + \$360.00  |              |  |            | \$ <b>\$0.00</b>  |                |
| <b>TOTAL OF ABOVE CALCULATIONS =</b>   |              |  |            | \$ <b>\$6,600.00</b>  |                |
| <input type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27. The fees indicated above are reduced by 1/2.   |              |  |            | \$ <b>\$0.00</b>  |                |
| <b>SUBTOTAL =</b>  |              |  |            | \$ <b>\$6,600.00</b>  |                |
| Processing fee of \$130.00 for furnishing the English translation later than 30 months from the earliest claimed priority date (37 CFR 1.492(f)).  |              |  |            | \$ <b>\$0.00</b>  |                |
| <b>TOTAL NATIONAL FEE =</b>  |              |  |            | \$ <b>\$6,600.00</b>  |                |
| Fee for recording the enclosed assignment (37 CFR 1.21(h)). The assignment must be accompanied by an appropriate cover sheet (37 CFR 3.28, 3.31). \$40 per property +  |              |  |            | \$ <b>\$0.00</b>  |                |
| <b>TOTAL FEES ENCLOSED =</b>   |              |  |            | \$ <b>\$6,600.00</b>  |                |
|  |              |  |            | Amount to be  | \$             |
|  |              |  |            | Amount to be  | \$             |
| <p>a. <input type="checkbox"/> A check in the amount of \$ _____ to cover the above fees is enclosed.</p> <p>b. <input checked="" type="checkbox"/> Please charge my Deposit Account No. <u>07-1392</u> in the amount of <u>\$6,600.00</u> to cover the above fees. A duplicate copy of this sheet is enclosed.</p> <p>c. <input checked="" type="checkbox"/> The Director is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. <u>07-1392</u>. A duplicate copy of this sheet is enclosed.</p> <p>d. <input type="checkbox"/> Fees are to be charged to a credit card. <b>WARNING:</b> Information on this form may become public. <b>Credit card information should not be included on this form.</b> Provide credit card information and authorization on PTO-2038.</p> <p><b>NOTE:</b> Where an appropriate time limit under 37 CFR 1.495 has not been met, a petition to revive (37 CFR 1.137(a) or (b)) must be filed and granted to restore the International Application to pending status.</p> <p>SEND ALL CORRESPONDENCE TO:</p> <p>CUSTOMER NO. 23347</p> |              |  |            |   |                |
|  |              |  |            | <p><i>Bonnie L. Deppenbrock</i><br/>SIGNATURE <span style="float:right;">9 June 2005</span></p> <p><b>Bonnie L. Deppenbrock</b><br/>NAME</p> <p><b>28,209</b><br/>REGISTRATION NUMBER</p> |                |